

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,181,624 B2
APPLICATION NO. : 09/980390
DATED : February 20, 2007
INVENTOR(S) : Tomoyuki Asano et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4, line 21, change "inventions" to --invention--.

Column 11, line 63, change "AID" to --A/D--.

Column 14, line 29, change "AID" to --A/D--.

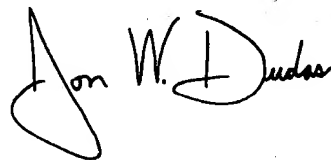
Column 19, line 61, change "key, 1102" to --key 1102--.

Column 19, line 64, change "bash" to --hash--.

Column 36, line 13, change "onegeneration" to --one-generation--.

Signed and Sealed this

Thirty-first Day of July, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office